

IN THE SPECIFICATION:

Page 6, replace the paragraph beginning "Fig. 2" at line 10 with the following substitute paragraph:

B1 Fig. 2 presents sample spectra obtained using probes as described herein. The exemplary seventeen nucleotide nucleic acid sequence is SEQ ID NO:1.

Page 6, replace the paragraph beginning "Fig. 4" at line 13 with the following substitute paragraph:

B2 Fig. 4 illustrates the evaluation of the spectrum for different extensions. The exemplary ten nucleotide nucleic acid sequence is SEQ ID NO:2.

Page 6, replace the paragraph beginning "Fig. 5" at line 14 with the following substitute paragraph:

B3 Fig. 5 depicts test results comparing the sequencing of DNA using various probes as described herein with the sequencing of DNA using conventional probes. The bracketed number pairs, such as (4,5) represent the type of (s,r) probe set used. A (9,0) probe set is a conventional, or classical, probe set.

~~Page 6, delete the paragraph at line 18 beginning "Figure 7".~~

~~Page 6, delete the paragraph at line 19 beginning "Figure 8".~~

Page 6, replace the paragraph at line 20 beginning "Fig. 9" with the following substitute paragraph:

B4 sub 2 Fig. 7 illustrates (a) Hamiltonian and (b) Eulerian paths in the graph associated with a given target sequence. Both paths provide ambiguous reconstructions. The seventeen nucleotide target sequence is SEQ ID NO:1.

Page 6, replace the paragraph at line 22 beginning "Fig. 10" with the following substitute paragraph: